

ELECTRICIAN'S GRINDER PUMP SYSTEM INSTALLATION CHECK LIST

The following check list applies to all grinder pump systems installed within LMUD's service area. This document represents criteria inspected at each check point. It must be presented to LMUD's field department representative at each inspection and signed off on as complete prior to a final inspection being performed by LMUD's Chief Plumbing Inspector: Troy Gray, IO Inspections (www.ioinspections.com). Failure to properly install a grinder pump to LMUD standards will result in additional fees. ALL GRINDER PUMP INSTALLATIONS MUST BE DONE BY A LICENCED ELECTRICIAN OR SOMEONE WORKING UNDER THE DIRECT SUPERVISION OF A RESPONSIBLE MASTER ELECTRICIAN. All electrical work that affects plumbing systems within LMUD's service area are required to submit proof of valid electrician license to LMUD.

SERVICE INSTALLATION ADDRESS	NAME(S) OF PROPERTY OWNER(S)	
COMPANY NAME	PHONE NUMBER	ELECTRICIAN'S LICENSE NUMBER

Inspection Requirements: **Inspections can be scheduled by calling LMUD's main office at 512-261-6222 ext. 110**
 Two (2) check point inspections are required prior to final inspection: 1). Tank Set and 2). Sewer Yard Line. Line from the wastewater tap to tank plus concrete around the basin must remain visible (uncovered) for these inspections. Both plumber and electrician check lists must be presented to LMUD's field team representative during each inspection. Plumber should conduct a pressure test prior to scheduling sewer yard line inspection. Power must be supplied to the electrical disconnect and all backfilling needs to be done around the tank before the final inspection is scheduled.

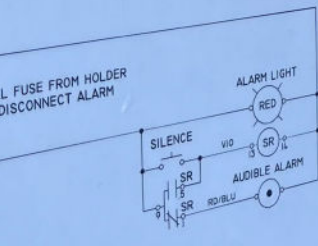
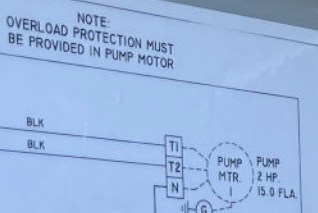
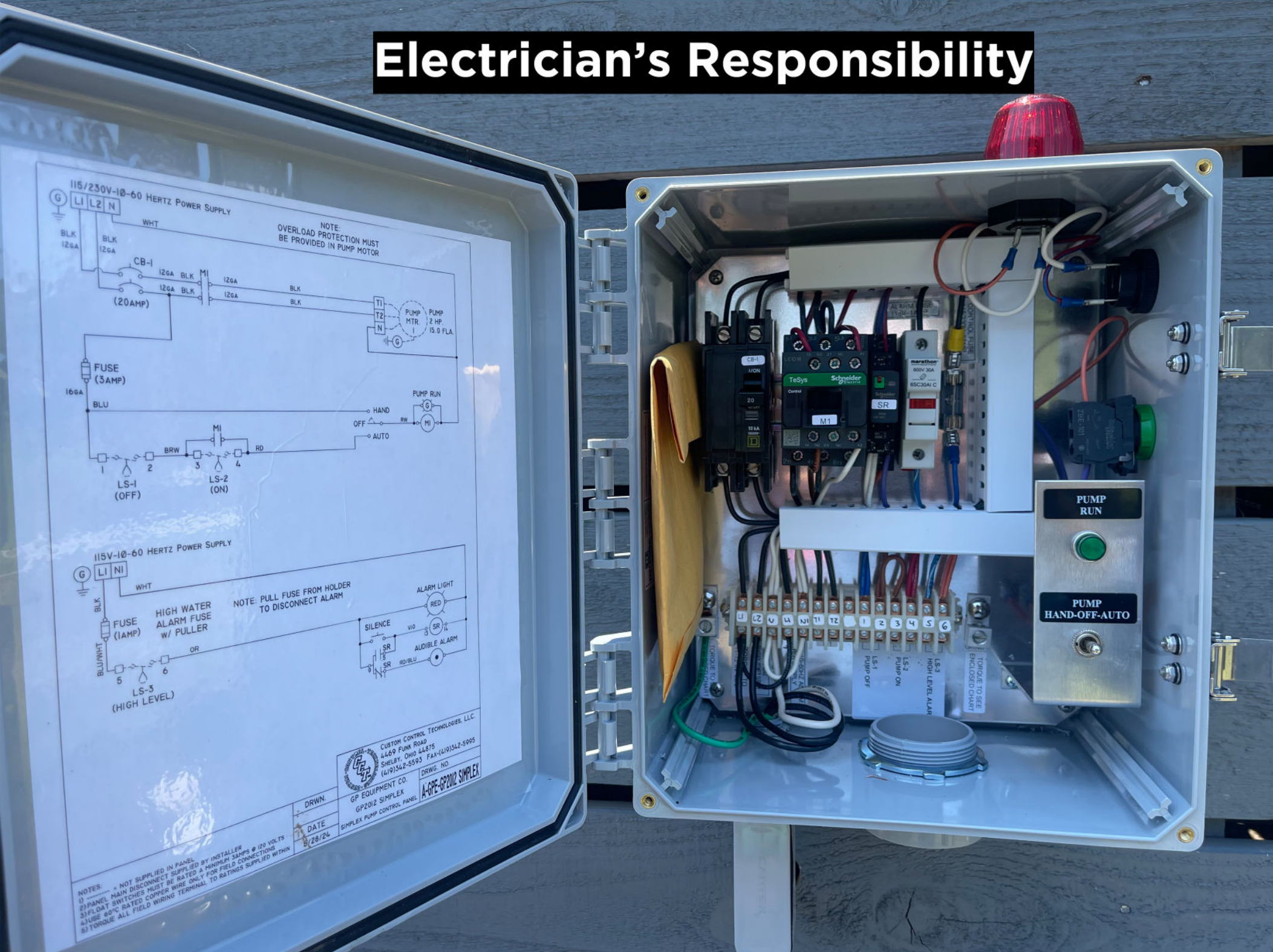
- The grinder pump panel is a 240 volts single phase system, provided by LMUD
- Panel is installed to a minimum of four (4) feet and maximum of five (5) feet above final grade to bottom of panel at the location as determined by LMUD during assessment. The grinder pump panel is mounted to provide easy and reasonable access. The panel is not obstructed by A/C units, pool equipment, fencing, half walls, propane tanks, etc. It is the responsibility of the electrician to assure easy access to the panel for inspection.
- Panel must be installed on an outside wall or LMUD-approved location and no further than 10 feet from the grinder pump tank. If this cannot be achieved, the electrician is responsible for contacting LMUD for an alternative.
- Each panel should have a separate 240 volt 30 amp minimum 4 wire circuit for simplex installations and 60 amp. This circuit will be terminated into an approved raintight 30 amp minimum disconnect for simplex and 60 amp for duplex. Breakers supplying the disconnect must be two poles. Only a 30A 240 circuit is to be provided.
- Panel shall be mounted within a reasonable distance, with line of sight of the electrical disconnect, per N.E.C. Article 430.102(A). There shall be no other wiring passing through, terminating in, or leaving the panel. Mounting ears or brackets must be used. Do not drill through the back.
- Liquid tight flex conduit or schedule 40 electrical blue pipe is acceptable for use on both the disconnect and the pathway from the panel to the tank. 2 inch conduit is required from the panel to the tank, which is the responsibility of the plumber.
- Electrical sweeps on schedule 40 conduits must be used (no water or short sweep 90s allowed).
- The electrician should connect any wiring, including line side power, to the grinder panel. Line side wiring must be black and black or black and red, the neutral will be white and the grounding conductor will be bare copper or green insulated copper. Wires from the disconnect to grinder panel must have wire nuts installed.
- No side entries allowed into the grinder panel. Bottom entries only.
- 240 volt circuit should be run and connected to each panel. A two (2) inch TALN PB should be cut into panel and left for plumber to finish install.

The following section is to be completed by LMUD representative.

INITIALS	DATE
COMMENTS:	

INITIALS	DATE
COMMENTS:	

Electrician's Responsibility



CUSTOM CONTROL TECHNOLOGIES, LLC
4469 PUMP ROAD
SHELBY, OHIO 44875
(419)342-5593 FAX-(419)342-5995

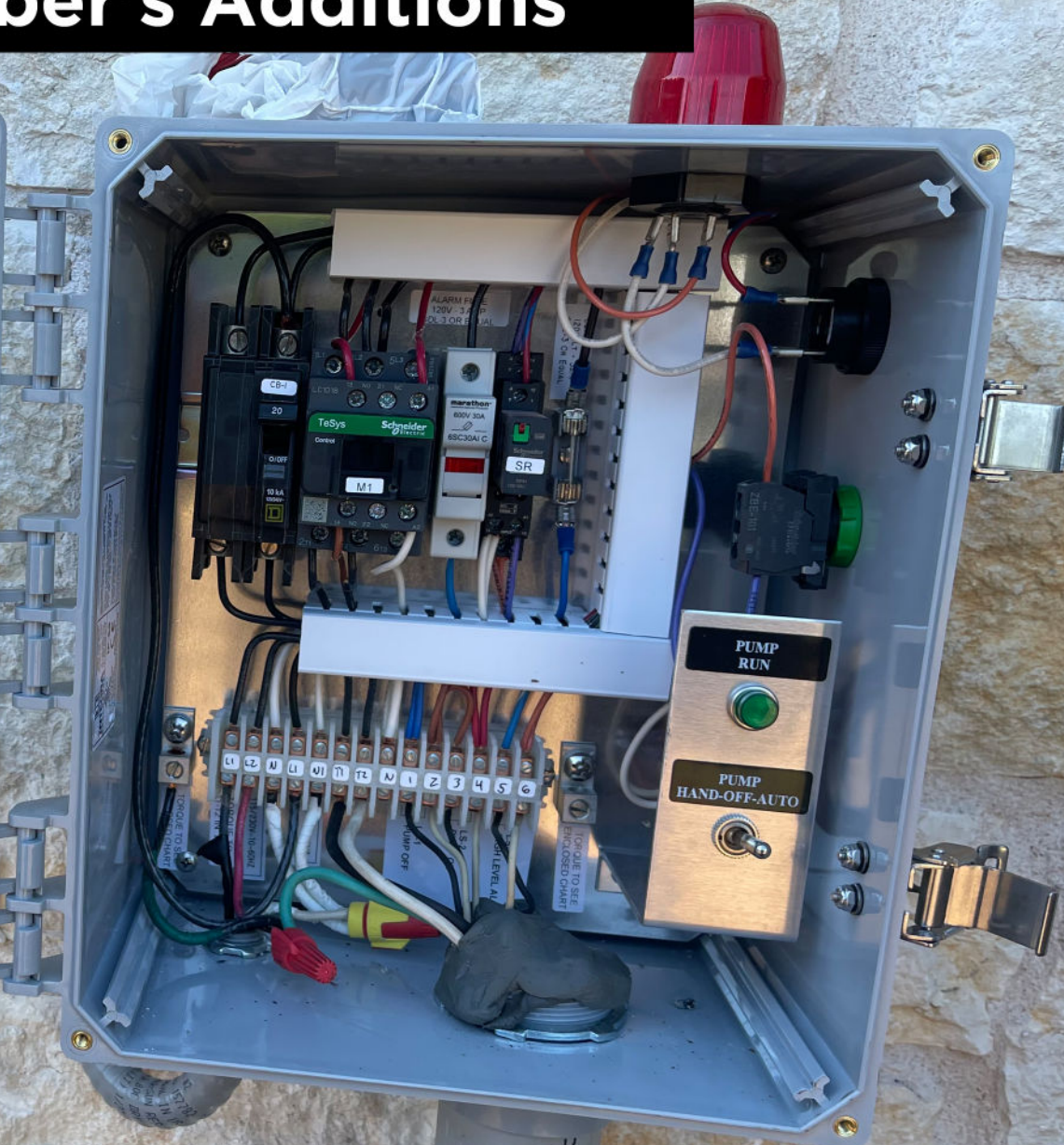
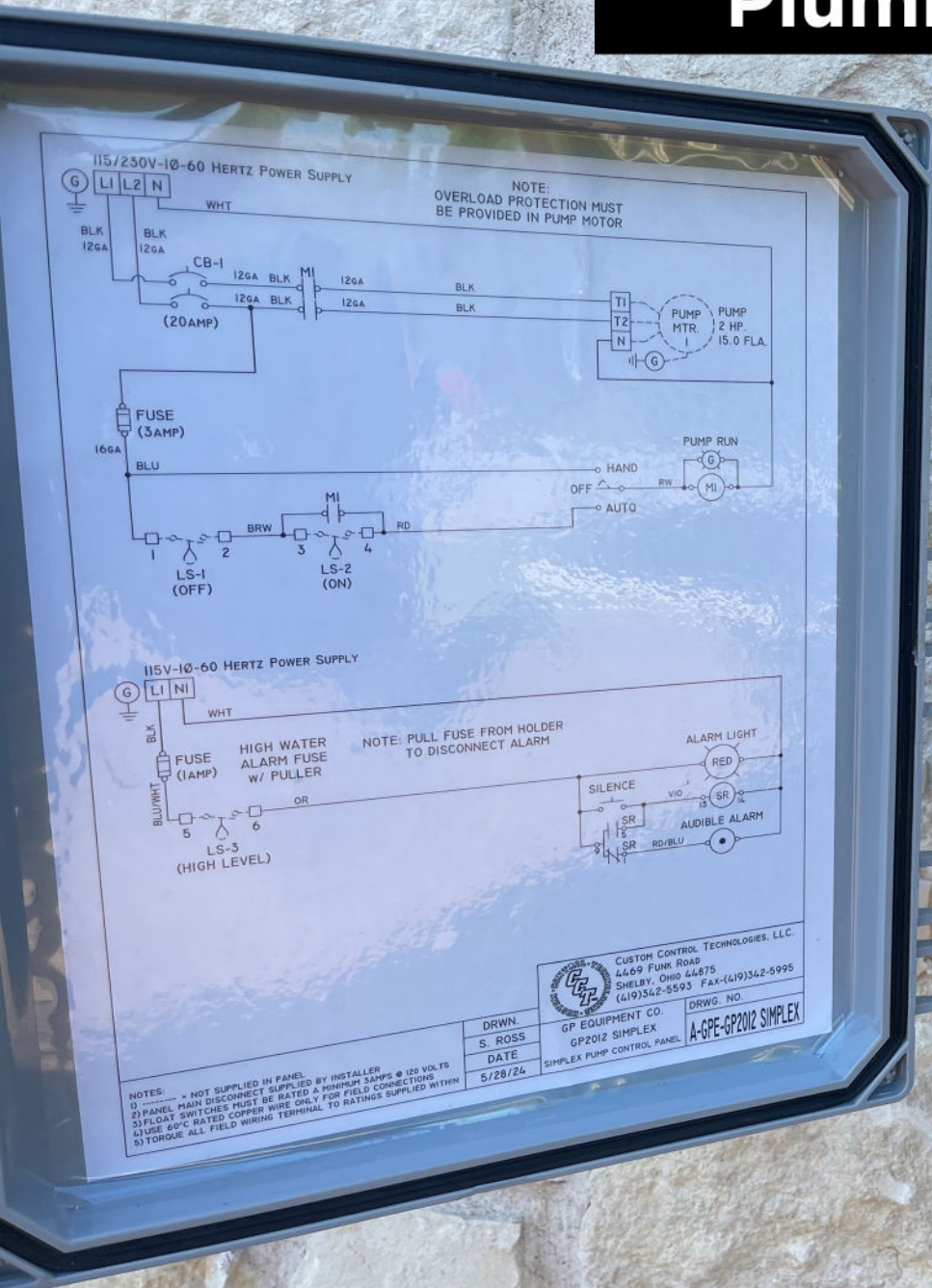
GP EQUIPMENT CO.
GP2012 SIMPLEX
SIMPLEX PUMP CONTROL PANEL

DRWG. NO. A-GPE-GP2012 SIMPLEX

DATE 8/28/24

NOTES:
1) _____ NOT SUPPLIED IN PANEL
2) PANEL MAIN DISCONNECT SUPPLIED BY INSTALLER
3) FIELD WIRING MUST BE RATED A MINIMUM 3AMPS @ 120 VOLTS
4) USE 60°C RATED COPPER WIRE ONLY FOR FIELD CONNECTIONS
5) TORQUE ALL FIELD WIRING TERMINAL TO RATINGS SUPPLIED WITHIN

Plumber's Additions



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